MONSANTO CO /NEW/

Form 4

October 29, 2014

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB

OMB APPROVAL

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subject to Section 16. Form 4 or Form 5

if no longer

obligations may continue. See Instruction

Check this box

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * **GRANT HUGH**

2. Issuer Name and Ticker or Trading Symbol

MONSANTO CO /NEW/ [MON]

5. Relationship of Reporting Person(s) to

Issuer

(Last)

(First)

(Middle)

3. Date of Earliest Transaction

(Month/Day/Year)

10/27/2014

(Check all applicable)

_X__ Director 10% Owner X_ Officer (give title Other (specify below)

Chairman & CEO

MONSANTO COMPANY, 800 N. LINDBERGH BLVD.

(Street)

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check

Applicable Line)

X Form filed by One Reporting Person Form filed by More than One Reporting

Person

ST. LOUIS, MO 63167

(City) (State) (Zip)

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)

2. Transaction Date 2A. Deemed (Month/Day/Year)

Execution Date, if

(Month/Day/Year)

3. 4. Securities TransactionAcquired (A) or Code Disposed of (D) (Instr. 3, 4 and 5) (Instr. 8)

5. Amount of Securities Beneficially Owned Following

6. Ownership 7. Nature of Form: Direct Indirect (D) or Indirect Beneficial (T)

Ownership (Instr. 4) (Instr. 4)

(A) Code V Amount (D) Price

Reported Transaction(s) (Instr. 3 and 4)

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Conversion Security or Exercise

3. Transaction Date 3A. Deemed (Month/Day/Year)

Execution Date, if any

4. 5. Number of TransactionDerivative Code Securities

6. Date Exercisable and **Expiration Date** (Month/Day/Year)

7. Title and Amount Underlying Securities (Instr. 3 and 4)

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(Instr. 3) Price of (Month/Day/Year) (Instr. 8) Acquired (A) or Derivative Disposed of (D) (Instr. 3, 4, and 5)

Code V (A) (D) Date Exercisable Expiration Title

Date

itle Amou Numb

Shares

Option

(Right to \$112.82 10/27/2014 A 130,300 11/15/2015(1) 10/27/2024 Common Stock 130,300

Buy)

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

GRANT HUGH MONSANTO COMPANY

800 N. LINDBERGH BLVD. X Chairman & CEO

ST. LOUIS, MO 63167

Signatures

Jennifer L. Woods, Attorney-in-Fact

**Signature of Reporting Person Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, *see* Instruction 4(b)(v).
- ** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

One-third of the options become exercisable on November 15, 2015, one-third of the options become exercisable on November 15, 2016 and the remainder of the options become exercisable on November 15, 2017, subject to the terms and conditions of the Monsanto Company 2005 Long-Term Incentive Plan.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

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